OIPE IAP66 APR 13 2009 PATENT & TRADEMARK OFFICE

SEQUENCE LISTING

<110> Mata Lopez, Pedro
Mozas Alonso, Pilar
Pocovi Mieras, Miguel
Tejedor Hernandez, Diego
Mallen Perez, Miguel
Alonso Karlezi, Alberto
Reyes Leal, Gilbert
Castillo Fernandez, Sergio
Martinez Martinez, Antonio

<120> Device a method for detecting low density lipoprotein receptor gene mutations associated with familial hypercholesterolemia

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<140> 10/542,937

<141> 2006-09-08

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cys gln cys glu glu gly phe gln leu asp pro his thr lys ala cys
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aag gct gtg g gtgagcacgg gaaggcggcg ggtgggggcg gcctcacccc        36784
lys ala val g
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38399
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phe phe thr asn arg his glu val arg lys met thr leu asp arg ser
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glu tyr thr ser leu ile pro asn leu arg asn val val ala leu asp
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acg gag gtg gcc agc aat aga atc tac tgg tct gac ctg tcc cag aga 38543
thr glu val ala ser asn arg ile tyr trp ser asp leu ser gln arg
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met ile cys se
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ile gln ala pro asp gly leu ala val asp trp ile his ser asn ile
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tac tgg acc gac tct gtc ctg ggc act gtc tct gtt gcg gat acc aag 38793
tyr trp thr asp ser val leu gly thr val ser val ala asp thr lys
        470                 475                 480
ggc gtg aag agg aaa acg tta ttc agg gag aac ggc tcc aag cca agg 38841
gly val lys arg lys thr leu phe arg glu asn gly ser lys pro arg
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gcc atc gtg gtg gat cct gtt cat gg gtgcgtatcc acgacgctga        38887
ala ile val val asp pro val his gl
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tyr ser leu val thr glu asn ile gln trp pro asn gly ile thr leu
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sp leu leu ser gly arg leu tyr trp val asp ser lys leu his ser
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asp glu lys arg leu ala his pro phe ser leu ala val phe glu
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ccatcgtggc agcgaaactc gtc
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catcgtggca gcgaaactcg t
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210> SEQ 151
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23

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ccgtcggggg cctggatgtc t
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210> SEQ 165
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cccgtcgggg tctggatgtc t
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210> SEQ 167

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ccggttggtg aagaagaggt aggcg
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gccggttggt gaagaagagg taggcga
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<210> SEQ 171
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ccggttggtg aagaaagagg taggcga
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aaaagaggct tctccttggc c
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<210> SEQ 203
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<210> SEQ 228
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ttttcctcgt cagatttgtc cttgc
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ttgtccttgc agtcggggcc acta
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ttgtccttgc agacggggcc accat
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tgtccttgca gtcggggcca cca
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<210> SEQ 238
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gacagagccc tcacgctact gggct
25

<210> SEQ 239
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gacagagccc tctcgctact gggct
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<210> SEQ 240
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tcgccttgct cctcgccgcg gcggg
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<210> SEQ 241
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<223> probe
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tcgccttgct ccccgccgcg gcggg
25

<210> SEQ 242
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cccgccgcgg cgaggagcaa ggcga
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<210> SEQ 243
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<210> SEQ 244
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acggctacag ctacccctcg gtgag
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<210> SEQ 245
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<212> DNA
<213> Artificial sequence
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<221> oligonucleotide
<223> probe
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<210> SEQ 246
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ctcaccgagg ggtagctgta gccgt
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<210> SEQ 247
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<213> Artificial sequence
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<221> oligonucleotide
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<400> 247
ctcaccgagg gggtagctgt agccg
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<210> SEQ 248
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<223> probe
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<210> SEQ 249
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<212> DNA
<213> Artificial sequence
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<221> oligonucleotide
<223> probe
<400> 249
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<210> SEQ 250
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<212> DNA
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<221> oligonucleotide
<223> probe
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ggggactcac agcacgtctc ctggg
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<210> SEQ 251
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<221> oligonucleotide
<223> probe
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ggggactcac agtacgtctc ctggg
25

<210> SEQ 252
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<400> 252
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25

<210> SEQ 253
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<400> 253
ctccccatcg gtcagcgcgg gccgg
25

<210> SEQ 254
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<223> probe
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ccggcccgcg cttaccgatg gggag
25

<210> SEQ 255
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<223> probe
<400> 255
ccggcccgcg ctgaccgatg gggag
25

<210> SEQ 256
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<221> oligonucleotide
<223> probe
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ccagtacatg aagctggtgg gaga
24

<210> SEQ 257
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<212> DNA
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tcttgatctt ggcctgggga cagag
25

<210> SEQ 258
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<212> DNA
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<221> oligonucleotide
<223> probe
<400> 258

cagtacatga agctggtggg agg
23

<210> SEQ 259
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<212> DNA
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<221> oligonucleotide
<223> probe
<400> 259
cttgatcttg gcctggggac aga
23